



RAW SEQUENCE LISTING

DATE: 04/12/2002

PATENT APPLICATION: US/09/445,258A

TIME: 14:40:47

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\04122002\I445258A.raw

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4 <110> APPLICANT: Kato, Seishi
        Sekine, Shingo
        Kimura, Tomoko
8 <120> TITLE OF INVENTION: HUMAN PROTEINS HAVING TRANSMEMBRANE
        DOMAINS AND DNAS ENCODING THESE PROTEINS
11 <130> FILE REFERENCE: GIN-6706CPUS
13 <140> CURRENT APPLICATION NUMBER: 09/445,258A
14 <141> CURRENT FILING DATE: 1999-12-01
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17 <151> PRIOR FILING DATE: 1998-06-03
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20 <151> PRIOR FILING DATE: 1997-06-03
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50 Lys Lys Ile Tyr Met Thr Cys Pro Asp Cys Pro Ser Ser Ile Pro Thr
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Output Set: N:\CRF3\04122002\1445258A.raw

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	Ser 225	Leu	Gln	Ser	Ser	Asp 230	Ser	Val	Pro	Val	Gly 235	Leu	Cys	Lys	Gly	Ser 240
		Thr	Arg	Thr	His 245		Glu	Lys	Phe	Val 250		Val	Thr	Cys	Asp 255	
	Phe	Glu	Ser	Gln 260	Ala	Pro	Ala	Thr	Gly 265	Ser	Glu	Asn	Ser	Ala 270	Val	Asn
66 67	Gln	Lys	Pro 275	Thr	Asn	Leu	Pro	Lys 280	Val	Glu	Glu	Ser	Gln 285		Lys	Asn
68 69	Thr	Pro 290	Pro	Thr	Asp	Ser	Pro 295	Ser	Lys	Ala	Gly	Pro 300	Arg	Gly	Ser	Val
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72 73	Gln	Glu	Ala	Phe	Pro 325	Val	His	Leu	Asp	Leu 330	Thr	Thr	Asn	Pro	Gln 335	Gly
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Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\04122002\I445258A.raw

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136 137 138 139 140 141 142	1 Cys Leu	Leu Ala Ser	Gly Gly 35	His 20 Val	5 Gly Leu	Ala Val	Leu Ala Gln	Val Ile 40	Leu 25 Leu	10 Gln Val	Leu Gln	Leu Val Ala	Ser Ser 45	Phe 30	15 Met Val	Leu Pro
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136 137 138 139 140 141 142 143 144 145 146 147 148	1 Cys Leu Ser Leu 65 Leu	Leu Ala Ser 50 Thr Gln Leu	Gly Gly 35 Leu Gln Glu Pro	His 20 Val Ser Leu Ile Glu 100	5 Gly Leu Gln Lys Tyr 85 Lys	Ala Val Glu Ala 70 Gln Ser	Leu Ala Gln 55 Ala Glu Lys	Val Ile 40 Ser Val Leu Leu	Leu 25 Leu Glu Gly Thr	10 Gln Val Gln Glu Gln 90 Glu	Leu Gln Asp Leu 75 Leu Ile	Leu Val Ala 60 Ser Lys	Ser Ser 45 Ile Glu Ala Gln	Phe 30 Lys Tyr Lys Ala Glu 110	15 Met Val Gln Ser Val 95 Leu	Leu Pro Asn Lys 80 Gly Thr
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	1 Cys Leu Ser Leu 65 Leu Glu	Leu Ala Ser 50 Thr Gln Leu Leu	Gly Gly 35 Leu Gln Glu Pro Lys 115	His 20 Val Ser Leu Ile Glu 100 Ala	5 Gly Leu Gln Lys Tyr 85 Lys	Ala Val Glu Ala 70 Gln Ser Val	Leu Ala Gln 55 Ala Glu Lys Gly	Val Ile 40 Ser Val Leu Leu Glu 120	Leu 25 Leu Glu Gly Thr Gln 105 Leu	10 Gln Val Gln Glu Gln 90 Glu Pro	Leu Gln Asp Leu 75 Leu Ile Glu	Leu Val Ala 60 Ser Lys Tyr Lys	Ser Ser 45 Ile Glu Ala Gln Ser 125	Phe 30 Lys Tyr Lys Ala Glu 110 Lys	15 Met Val Gln Ser Val 95 Leu Leu	Leu Pro Asn Lys 80 Gly Thr
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166 Pro Lys Asp Trp Thr Phe Phe Gln Gly Asn Cys Tyr Phe Met Ser Asn
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	Leu	G137		Dho	Cve	Sar	Val		Thr	Tla	Sar	Mot		T.011	Sar	Dro
233	пси	130	шси	1110	Cys	UCI	135	1110	1111	110	UCI	140	- y -	LCu	OCI	110
	Leu		λen	T.Au	Δla	T.v.c		т1ь	Gln	Thr	T.ve		Thr	Gln	Cve	Lau
	145	лта	rsb	пец	AIU	150	Val	116	GIII	1111	155	261	1111	GIII	Cys	160
	Ser	Пттъ	Dro	Lou	Thr		λ 7 ο	Thr	LON	Lou		Cor	פוג	Cor	m×n	
237	261	ı yı	110	пец	165	116	AIG	1111	пец	170	1111	261	AIU	261	175	Суз
	Leu	Пагт	Clv	Dho	_	LAU	λrα	Nan	Dro		Tla	Mat	Val	Car		Dho
239	пец	T Y T	GIY	180	пта	neu	пта	пор	185	1 Y 1	116	Mec	VUI	190	HPII	riie
	Prò	C117	т10		Thr	Cor	Dho	Tla		Dho	Trn	Lau	Dho		Two	Пага
241	FIO	СТУ	195	Vai	1111	261	FIIC	200	пта	FIIC	TIP	nea	205	ııb	цуз	1 Y 1
	Pro	Cln		Cln	λcn	7 20	N cn		Trn	LON	LOU	Cln				
242	PIO	210	GIU	GIII	ASP	AIG	215	TÄT	111	ьеи	ьеи	220	1111			
	<210		דר מי	NO.			213					220				
	<213															
	<212				) 1											
	<213				Uome	. car	oi on c	,								
	<400					) sal	Tens	•								
	Met					λen	Trn	Dho	λνα	Sor	Tlo	Dro	λla	Tlo	Thr	λνα
253	1	261	rsp	TTE	5	rah	TIP	FIIE	ALG	10	116	PIO	Ата	116	15	AIG
		m~~	Dho	717	_	mh x	Wa 1	λl <sub>n</sub>	17a 1		T 011	Wa 1	C1 11	Tvc		C1**
	Tyr	ттр	Pne		Ата	THE	Val	Ата		PIO	ьеи	Val	GTĀ		ьец	СТУ
255	<b>T</b>	<b>T</b> 1 -		20	.1.	m	T	Dh.	25	m	D	C1	31-	30 Db -	T	М
	Leu	тте		PIO	Ald	TAT	ьeu		Leu	пр	PIO	GIU		rne	ьeu	TAT
257	_	-1	35	-1.	m	•	<b>5</b>	40	<b>m</b> 1		m1	nh -	45	<b>5</b> 1	D	*** 1
		Pne	GIn	тте	Trp	Arg		тте	Thr	Ата	Thr		туr	Pne	Pro	val
259	Ary						55					60 -				
	_	50		_,	~ ~	_,		_	_		_	_	_	-,	_	_
	Gly	50	Gly	Thr	Gly			Tyr	Leu	Val		Leu	Tyr	Phe	Leu	
261	Gly 65	50 Pro	_		_	70	Leu				75					80
261 262	Gly	50 Pro	_		Arg	70	Leu			Ala	75				Pro	80
261 262 263	Gly 65 Gln	50 Pro Tyr	Ser	Thr	Arg 85	70 Leu	Leu Glu	Thr	Gly	Ala 90	75 Phe	Asp	Gly	Arg	Pro 95	80 Ala
261 262 263 264	Gly 65	50 Pro Tyr	Ser	Thr Phe	Arg 85	70 Leu	Leu Glu	Thr	Gly Asn	Ala 90	75 Phe	Asp	Gly	Arg Val	Pro 95	80 Ala
261 262 263 264 265	Gly 65 Gln	50 Pro Tyr Tyr	Ser	Thr Phe 100	Arg 85 Met	70 Leu Leu	Leu Glu Leu	Thr Phe	Gly Asn 105	Ala 90 Trp	75 Phe Ile	Asp Cys	Gly Ile	Arg Val 110	Pro 95 Ile	80 Ala Thr

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/445,258A

DATE: 04/12/2002 TIME: 14:40:48

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\04122002\I445258A.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:60; Xaa Pos. 4,7,16,17,18,21,23